IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		Varughese Mathew et al. Concurrently Herewith SEMICONDUCTOR PROCESS A BARRIER MATERIAL OVERLY	Group Art Unit: Examiner: Batch No.: ND COMPOSITION FOR FORMING A ING COPPER
		INFORMATION DISCLOSU	JRE STATEMENT (IDS)
P.O. Bo		r Patents 22313-1450	
consider under 3' publicat	n attached ation by 7 CFR 1. ion for al	d Form PTO/SB/08 and/or subsequently the United States Patent and Trademark 98 (a)(2)(i) for submitting a copy of each	liance with 37 C.F.R. §§1.97 and 1.98, the references identified herein, are being submitted herewith for Coffice. The Office hereby waives the requirement ch cited U.S. patent and each U.S. patent application for June 30, 2003 and for all international applications for June 30, 2003. See 37 CFR 1.491(b).
I.	COPIES a.⊠ b.□	A legible copy of (i) each foreign patent it to be listed; and (iii) all other inform included herewith. Any patents, publications or other informations of the enclosed herewith were previously cited applications which has been relied upon	(s); (ii) each publication or that portion which caused action or that portion which caused it to be listed, is mation which are listed on PTO/SB/08 which are not by or submitted to the PTO in one of the following for an earlier filing date under 35 U.S.C. §120:
II.	CONCIS a. ⊠ b. □ c. □	information are in the English language (A concise explanation of the relevance that is not in the English language is as for	of this section, all of the patents, publications or other concise explanation not required). of all patents, publications or other information listed
ш. 🗆	CROSS REFERENCE TO RELATED APPLICATION(S) The Examiner is advised that the following co-pending application(s) contain(s) subject matter to be related to the present application. By bringing this (these) applications to the Examiner's a Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.		nding application(s) contain(s) subject matter that may g this (these) applications to the Examiner's attention,
	Serial N		Art Unit
		<u>FE</u>	<u>ES</u>
IV. 🛛	THIS III a. ☒ b. ☐ c. ☐ d. ☐	prosecution application under § 1.53(d) required. within three months of the date of entrinternational application (37 C.F.R. §1.9 before the mailing date of a first Office or statement is required. before the mailing date of a first Office	§1.97(b): (check one box) to of a national application other than a continued (1) (37 C.F.R. §1.97(b)(1)). No fee or statement is by of the national stage as set forth in § 1.491 in an 7(b)(2)). No fee or statement is required. Action on the merits (37 C.F.R. §1.97(b)(3)). No fee be Action after the filing of a request for continued (1.97(b)(4)). No fee or statement is required.

V. 📙	before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.R.						
	§1.97(c) a. □	No stater		Account 502117 the fee set forth in 37 C.F.R.			
	b. 🔲	§1.17(p). See the s	tatement below. No fee is require	ed.			
VI. 🗌	THIS II on or be 1) 2)	fore paym a stateme	NG FILED UNDER 37 C.F.R. § nent of the issue fee and is accoment under 37 C.F.R. §1.97(e) as perposit Account 502117 the peti	panied by the following: provided below; and			
VII. 🗖	STATE The unc a. b.	lersigned leach iter Patent O of IDS; o no item Patent O statement	ffice in a counterpart foreign apport of information contained in the office in a counterpart foreign apport after making reasonable inqui	ne IDS was cited in a communication from a foreign polication not more than three months prior to the filing e IDS was cited in a communication from a foreign plication, and to knowledge of the person signing the ry, no item of information contained in the IDS was 7 C.F.R. 1.56(c) more than three months prior to the			
	c. 🗌	some of foreign informat a counte to the reinformat a counte making	the items of information contain Patent Office. As to this infion contained in the IDS was cit rpart foreign application not more emaining information, the under tion contained in the IDS was cit rpart foreign application or, to the reasonable inquiry, no item of al designated in 37 C.F.R. 1.56	ned in the IDS were cited in a communication from a formation, the undersigned states that each item of the in a communication from a foreign Patent Office in the than three months prior to the filing of this IDS. As resigned hereby states that no item of this remaining the in a communication from a foreign Patent Office in the knowledge of the person signing the statement after information contained in the IDS was known to any (c) more than three months prior to the filing of this			
VIII.	PAYM	Please c fee(s). If Applic Commis	in the amount of is en harge Deposit Account 502117 is cant has overlooked any additions is in the property of the pro	nclosed for the above-identified fee(s). In the amount of \$180.00 for the above-indicated all fees, or if any overpayment has been made, the edit or debit Deposit Account 502117. In Deposit Account charges and debits.			
If it is under the	determin	ed that thi	s IDS has been filed under the	s IDS, he/she is requested to contact the undersigned. wrong rule, the PTO is requested to consider this IDS rge the appropriate fee to Deposit Account 502117.			
				Respectfully submitted, Varughese Mathew et al.			
	ROLA, I ner Numb	NC. per 23125		Michael P. Noonan Attorney for Applicant(s) Reg. No. 42,038 Tel. 512.996.6839			
Enclos	ures:		PTO/SB/08 References Foreign Search Report Other:				

PTO/SB/08A (04-03)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known		
		Application Number		
		Filing Date	Concurrently Herewith	
		First Named Inventor	Varughese Mathew et al.	
		Group Art Unit		
(use as many sheets as necessar	ıλ	Examiner Name		
Sheet	of	Attorney Docket Number	SC12804TP	

	U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. 1	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	5,695,810	12/09/1997	Dubin et al.	
	AB	2003/0113576 A1	06/19/2003	Chebiam et al.	
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	FOREIGN PATENT DOCUMENTS					
Examine r Initials*	Cite No. 1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
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	AC	Itabashi et al., "Electroless Deposited CoWB for Copper Diffusion Barrier Metal," Proceedings of the IEEE 2002 International Interconnect Technology Conference (Cat. No. 02EX519), 2002, pp. 285-287.	

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